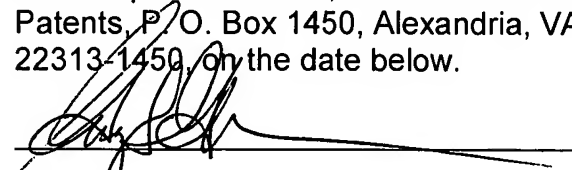




IFW 2877

Patent  
PD-202131  
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al. : I hereby certify that this correspondence is  
: being deposited with the United States  
: Postal Service with sufficient postage as  
: first class mail in an envelope addressed to:  
Serial No.: 10/532,509  
Filed: October 17, 2003  
For: ESTIMATING THE OPERATING : Mail Stop Amendment, Commissioner for  
POINT ON A NON-LINEAR : Patents, P. O. Box 1450, Alexandria, VA  
TRAVELING WAVE TUBE : 22313-1450, on the date below.  
AMPLIFIER  
:   
: Georgann S. Grunebach  
: Typed or printed name of person signing certificate  
Group Art Unit: 2817  
Examiner: Mottola, Steven J. : Date: September 12, 2006

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

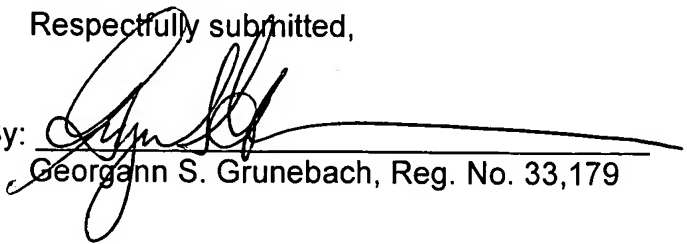
This statement should be considered because it is being submitted before the mailing of a first Office action on the merits under 37 C.F.R. §1.97(b)(3). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

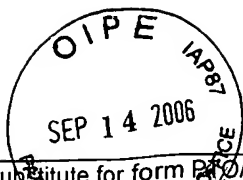
By:

  
Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.  
CA/LA1/A109  
P. O. Box 956  
El Segundo, CA 90245

Telephone No. (310) 964-4615

September 12, 2006



Substitute for form PTO/SB/08A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Complete if Known

Application Number	10/532,509
Filing Date	10-17-2003
First Named Inventor	Ernest C. Chen
Art Unit	2817
Examiner Name	Mottola, Steven J.

Date: September 12, 2006

Sheet 1 of 1

Attorney Docket Number PD-202131

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number  Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,970,496	11-2005	Ben-Bassat et al.	
		US-2003/0002471	01-2003	Crawford et al.	
		US-2006/0056541	03-2006	Chen et al.	
		US-5,577,067	11-1996	Zimmerman	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		CHEN, ERNEST et al.; "DVB-S2 Backward-Compatible Modes: A Bridge Between the Present and the Future"; International Journal of Satellite Communications and Networking; Volume 22, Issue 3, pages 341-365; published 2004 by John Wiley & Sons, Ltd.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.